

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB 03/05145

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01J31/12 H01J29/46 H01J29/48

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 420 726 B2 (CHOI YONG-SOO ET AL) 16 July 2002 (2002-07-16) the whole document column 3, line 66 -column 7, line 4 column 4, line 25-60 column 6, line 14 -column 7, line 4; figures 2,4A-4D column 2, line 1-17 ---	1-15
Y	US 5 729 244 A (LOCKWOOD HARRY F) 17 March 1998 (1998-03-17) the whole document abstract; figures 2,7 column 1, line 10-27 column 1, line 51 -column 2, line 53 --- -/--	1-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

22 March 2004

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## INTERNATIONAL SEARCH REPORT

Internat. Application No

PCT/18 03/05145

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	WO 02 097845 A (VAN DER POEL WILLIBRORDUS A J ;VAN GORKOM GERARDUS G P (NL); KONIN) 5 December 2002 (2002-12-05) page 2, line 20-32; figure 1 ---	3
Y	US 5 729 087 A (CHIEN HO-CHING) 17 March 1998 (1998-03-17) the whole document column 4, line 32 -column 5, line 6; figure 5A ---	5-9,11, 12
Y	US 6 417 627 B1 (DERRAA AMMAR) 9 July 2002 (2002-07-09) column 1, line 61 -column 2, line 4 column 2, line 45-51 column 4, line 12-29 ---	7-9,11, 12
Y	US 5 651 898 A (IMURA HIRONORI) 29 July 1997 (1997-07-29) the whole document abstract; figures 2,3 column 3, line 22-39 ---	14
Y	US 5 612 712 A (KUMAR NALIN ET AL) 18 March 1997 (1997-03-18) the whole document column 3, line 62 -column 4, line 23 column 13, line 15-44; claims 2,4,6,8; figure 12 ---	15
P,A	WO 03 054901 A (PHILIPS CORP INTELLECTUAL PTY ;SCHIEBEL ULRICH (NL); BACHMANN PETE) 3 July 2003 (2003-07-03) abstract; figure 1 ---	1
P,A	WO 03 041039 A (BECHTEL HANS-HELMUT ;HOLTSLAG ANTONIUS H M (NL); BALLER THEUNIS S) 15 May 2003 (2003-05-15) abstract; figures 4-6 -----	1

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Information on patent family members

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